



Francis W. Henson

Credit Union Sets Annual Meet Date

WHAT? Y-12 Credit Union meeting.

WHEN? Thursday, January 30, 7:30 p.m.

WHERE? Robertsville Junior High School, Oak Ridge.

WHY? Annual Meeting—to negotiate your Credit Union's business.

HOW? By full participation of membership. Two portable T.V.'s (one color) will be offered as door prizes?

Are you coming? A herd of wild horses couldn't keep me away!

ORNL's Guth To Speak At Physics Seminar

E. Guth, ORNL Director's Division, will speak at this week's Physics Division seminar on "Present Status of General Relativity."

The seminar is set for tomorrow, Thursday, January 23, in the East Auditorium of ORNL's 4500 building, at 3:15 p.m.

E. W. Henson Earns MS Degree At U.T.

Francis W. Henson, Electrical and Electronics Department, passed a hurdle during December worth mentioning. He attained his MS degree in Electrical Engineering at the University of Tennessee.

Henson came to Y-12 in 1955, after hiring in at Oak Ridge Gaseous Diffusion Plant December 18, 1951. Prior to that he had worked with the Johnson City Power Board, in his native city.

He earned his BS degree from UT in 1958.

Henson lives at 102 Audubon Road, Oak Ridge. Mrs. Henson is the former Virginia Bowman, and the couple has two sons . . . Wade and Ray, both in Oak Ridge High School.

During the summer months Henson enjoys water skiing, and during the winter, he says, he just rests.

Many Holidays in '69 Will Make Week-Ends!

Y-12ers are in luck this year as far as holidays are concerned. Take a look at the number occurring on week-ends.

New Year's Day . . . Wednesday, January 1.

Washington's Birthday . . . Friday, February 21.

Good Friday, April 4.

Memorial Day, Friday, May 30.

Independence Day, Friday, July 4.

Labor Day, Monday, September 1.

Thanksgiving and day after, November 27, 28.

Christmas, Thursday, December 25.

On holidays only a level of work force necessary to assure continuous operation and protection of the plant is required.

IRS Gives First Of Year Pointers

That time of year is drawing nigh . . . and the Internal Revenue Service has a word or two of advice. For instance, here's a checklist of reminders put out about this time of year.

- Read the instruction booklet you will be receiving shortly very carefully.

- If you file Form 1040—use the form with the preaddressed label.

- If you file Form 1040A—use the preaddressed form.

More than 90 percent of the errors on 1967 income tax returns involved:

- Missing or incorrect name, address, social security or employer identification number.

- Missing Forms W-2 or other required attachments.

- Missing signature(s).

- Using the wrong tax table or making errors in computation.

Your tax return must be signed and dated (if a joint return, both husband and wife must sign).

Make your check payable to **Internal Revenue Service** and don't forget to sign the check.

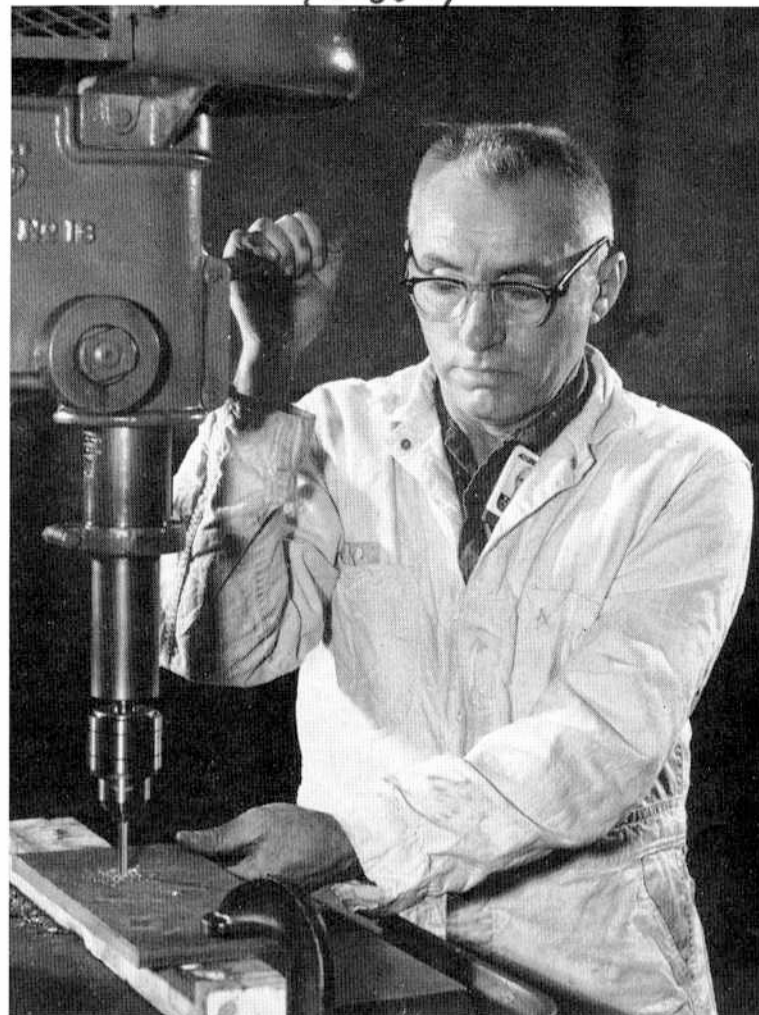
Keep a copy of your return along with information to support entries made.

File early, avoid the late rush.

All 1968 Individual Income Tax Returns (forms 1040 and 1040A) for persons residing in Tennessee and the six other states in the Southeast Region (which includes Alabama, Georgia, Florida, Mississippi, North Carolina, and South Carolina) should be mailed to:

**Internal Revenue Service Center
4800 Buford Highway
Chamblee, Georgia 30006**

Persons residing outside the Southeast Region should mail their 1968 income tax return to the address shown in the instruction booklet.



WILBUR TIPTON, JAMESTOWN, FATHER OF 14 CHILDREN, is a student in the Training and Technology Project in Y-12. Tipton, 49, a Purple Heart veteran of World War II and former farmer, is receiving classroom and shop instruction in the school's general mechanics course. Approximately 200 persons are currently enrolled in this program supported by the U.S. Atomic Energy Commission and the U.S. Department of Labor in cooperation with the U.S. Office of Education. The TAT Program is administered by Oak Ridge Associated Universities and Union Carbide Corporation.

Measure Of Inspiration

Father Of 14 Studies Mechanics Course In TAT

Forty-nine-year-old Wilburn Tipton of Jamestown, Tennessee should provide a measure of inspiration to those who think it is too late to begin training themselves for a technological job in modern industry.

At 49, Tipton is far from old, but he is the father of fourteen children, ten of whom are still in school or of pre-school age. The number of children might prevent lesser men from returning to school to tackle technical subjects.

Explaining why he applied to the Training and Technology school at the U.S. Y-12, Tipton said he wanted to demonstrate to his children the importance of obtaining as much education as possible. "Four of my children, two boys and two girls, are through high school now and one of the girls is married," Tipton said. "I'm hoping that my two oldest boys in service will try to continue their education in college when they are discharged. I thought if I went back to school after an absence of over 35 years that it might show them how important I think it is for them to get more education."

A Purple Heart World War II veteran who spent 33 months in Europe, Tipton returned from the war to settle down to farming and

to raising a large family in his almost completely agrarian community, much like his great-grandfather who settled in Fentress County over 100 years ago. Over the years he supplemented the income for his growing family with a variety of jobs on the side, including that of a security guard at the state prison in Petros.

Now Tipton is back in school and quietly confident about his future career in industry. The general mechanics course in which he is enrolled could prepare him for entry into several possible vocational areas, including pipefitter, millwright (outside machinist), assemblyman or process operator. He is one of 40 men present.

Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
58 Days Or
1,606,000 Man-Hours
(Unofficial Estimate)
Through January 19
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY



'A METHOD AND APPARATUS FOR INTERFEROMETRIC Measurement Of Machine Slide Roll,' has brought about an application for a U. S. Government patent for Richard R. Baldwin, center. He receives a commendation letter from Tom Douglass, Dimensional Inspection, above, as N. K. Bernander, Product Certification, looks on from left.



Y-12 Beavers Team Keep Perfect Score In Volleyball Set

The Volleyball League still features the Y-12 Beavers out front ... with 20 games on the won side ... none on the lost side.

Action took up last week on Court A with the Semanon beating the Metals & Ceramics team 15-7, 15-3, 15-5 and 15-0. The K-25 Hawks trimmed the Beta 4 Astros 15-1, 15-4, 15-6 and 15-3. The Old Men overcame the Naughts 15-8, 15-0 and 15-3 ... the Naughts taking game there 15-11.

On Court B the Defects downed the Gashouse Gang 15-3, 15-0 and 15-3 ... the Gang winning game two 16-14. The Set-Ups and Ecobums shared two games each ... the Ups winning two and four 15-6 and 15-5 ... the Bums winning one and three 15-13, and 15-7. The Beavers bested the Nemeses 15-8, 15-6, 15-4 and 15-7.

League standings follow:

Team	W	L
Beavers, Y-12	20	0
Old Men, ORNL	21	3
Nemeses, K-25	16	4
Ecobums, ORNL	18	6
Defects, ORNL	18	6
Semanon, ORNL	14	6
K-25 Hawks	11	13
Set-Ups, ORNL	8	12
M&C, ORNL	6	18
ORAU	4	16
Beta 4 Astros, Y-12	3	17
Naughts, ORNL	4	20
K-25 Gashouse Gang	1	23

Keyes, Brewer Lead Table Tennis Men

The X League in Table Tennis has a new leader as Loyd Wyatt dropped a game last week to Herb Mook. The new leader Jerry Keyes took three from Ariko Hirose, Steve Blum and Hugh Moore.

Wyatt defeated Moore for three. Bill Motley won three from Moore and Blum, and one from Mook.

Jerry Goldstein defeated Blum for the full three.

X League standings:

Player	W	L
Jerry Keyes, Y-12	9	0
Loyd Wyatt, Y-12	11	1
Bill Motley, Y-12	7	2
Herb Mook, ORNL	3	3
Jerry Goldstein, ORNL	3	3
Hugh Moore, ORNL	3	9
Ariko Hirose, ORNL	0	6
Steve Blum, K-25	0	12

In action in the Y League, Gordon Brewer downed Ken Toth for three, Joe Lewin by the same count, and Art Stewart for two.

Stewart defeated Freestone for three, as did Toth. Joe Lewin defeated Freestone in two matches.

Y League standings:

Player	W	L
Gordon Brewer, Y-12	8	1
Bob Smith, Y-12	3	0
Art Stewart, Y-12	4	2
Ken Toth, ORNL	3	3
Joe Lewin, ORNL	2	7
Bob Freestone, ORNL	1	8
Francois Kertesz, ORNL	0	8

Carbide Kids Enjoy Big Christmas Parties

Some 6,000 children of Union Carbide Corporation employees enjoyed the December 23 festivities at the Oak Ridge High School. A dog act, Santa, some carol singing, and colored cartoons brought happy sounds from the auditorium.

Come again, next year.

The Bulletin

Published Weekly For The Y-12 Employees Of UNION CARBIDE CORPORATION



NUCLEAR DIVISION

OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37830
Telephone 3-7100

GBU's, Bombers Lose No Hoop Tilts

Y-12 GBU's and ORNL's Bombers still stand, lonely and aloof, in the Basketball League, at the top of the ladder ... both with no losses.

The big GBU's opened last Monday's play with an overwhelming victory over the Cobols ... 78 to 27.

Larry McDonald again led the GBU's in the no-contest-at-all.

Sparked by Ray Leffler, with 17 points, the Quarks downed the Carbide Trojans. Churchill Moore scored 24 of the Trojans' 35 points ... as the big Quarks squeezed through 56 big points.

The Computes decidedly defeated the Butterballs 53 to 32 in final play Monday. Larry Finch led the Computes with 15 points.

Bio-Meds took a forfeit win from the Soul Men.

Beta Two Miners belted the Isotopes Tuesday, 40 to 31 ... as John Scott sank 16 through the bucket, and Bob Birdwhistle whisked 11 through for the winning team. The Isotopes could not overcome the Miners' big first quarter lead of 14 to 2 ... as Roy Vandermeer scored 13 points for the losing squad.

The CC 69ers played next, defeating the Cavaliers 54 to 37. Heroic Harold Connors had 19 points for the winners ... as there was too much rebound strength for the Cavaliers to have much of a chance. Marv Anderson and Rick Hudson scored 13 to 12 points respectively for the losers.

Final play Tuesday saw the Bums beat the Bat Boys 52 to 38 as Don Forrester's hot hand proved too much for the determined Bat Boy squad. Don ranked up 14 points in the first quarter and hit eight straight field goals before missing ... in his total 21 points. Joe Gallman scored 12 for the winning Bums also.

Wednesday saw the Ail Stars down the Dag Mops 51 to 33 ... as the Mops fought gallantly for three quarters, than ran out of steam. The Ail Stars were beginning to wax hot when the game ended. Jack Jones accounted for 17 of the 51 winning points.

The Biomed took another win in a week, as they defeated the Isotopes 45 to 34. Big (six foot eight inch) Paul Shelly controlled the boards and Bill Olsen furnished the points as the Meds kept in the driver's seat. Olson outscored everyone with 19 points.

The Bombers belted the Guess Who team in final play for the week Wednesday, 44 to 20. The Guess Who's enjoyed the game but were no match for the good ball handling and rebounding of the Bombers. Herm Thomas led scoring and rebounding, with 10 points.

Team	W	L
GBU's, Y-12	6	0
Bombers, ORNL	5	0
Bio-Meds, ORNL	6	1
CC 69ers, Y-12	4	1
Computes, ORNL	4	1
Cavaliers, ORNL	4	2
Ail Stars, Y-12	4	2
Butter Balls, ORNL	4	3
Quarks, Y-12	3	2
Cobols, K-25	3	3
Beta 2 Miners, Y-12	3	3
Isotopes, ORNL	2	4
Bums, Y-12	2	4
Dag Mops, Y-12	1	5
Guess Who, ORNL	1	5
Carbide Trojans, K-25	1	5
Bat Boys, Y-12	0	6
Soul Men, ORNL	0	6



Ride wanted from 2908 Wimpole Avenue, to North Portal, straight day. Elizabeth Johnson Stinson, plant phone 3-7133, home phone Knoxville 525-3060.



ELAINE BAUER AND STEPHEN JENKINS will appear in the ballet 'Pergolesiana' when the Oak Ridge Civic Ballet Association brings the Touring Ballet Company of Butler University to Robertsville Junior High School, next Monday, January 27, at 8 p.m. Tickets are on sale at Miller's, Kramer's and Ridgeway Gallery or may be secured by telephoning Mrs. D. S. Zachery Jr., 874 West Outer Drive, Oak Ridge. All seats are unreserved and are \$2.50 and \$1 and will also be on sale at the door the night of the performance.

Recreation



Monday, January 27

TABLE TENNIS: 7 p.m. Oak Ridge Wildcats' Den.

BOWLING: C League, 5:45 p.m. Ark Lanes.

PHYSICAL FITNESS: (For Women): 7:30 p.m., Oak Ridge High School Girls' Gym.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Bat Boys vs. Carbide Trojans; Beta 2 Miners vs. Bums; Quarks vs. Soul Men.

Tuesday, January 28

PISTOL LEAGUE: 6:15 p.m. Oak Ridge Sportsmen's Association.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Dag Mops vs. Cobols; Isotopes vs. Ail Stars; GBU's vs. Cavaliers.

PHYSICAL FITNESS: (For Men): 7:30 p.m. Oak Ridge High School Gym.

Wednesday, January 29

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Biomed vs. Guess Who; CC 69ers vs. Butter Balls; Computes vs. Bombers.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, January 30

BOWLING: Classic League, 5:45 p.m. Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Court A: K-25 Hawks vs. ORAU; Naughts vs. Semanon; Gashouse Gang vs. Beta 4 Astros. Court B: Set-Ups vs. Old Men; Beavers vs. Defects; Nemeses vs. Ecobums.

Saturday, February 1

Y-12 BOWLING TOURNAMENT: Team Events; Mixed Doubles, Ark Lanes.

Sunday, February 2

Y-12 BOWLING TOURNAMENT: Doubles and Singles Events, Ark Lanes.

Tigers Hold Tight Classic Alley Rein

The Tigers keep their big lead in the Classic Bowling race, with a three point win over the Cubs. The only four-point wins of the night went to the Markers by the Playboys and the Bumpers over the Pinbusters.

Taking three also were the Swingsters around the Rippers, the Screwballs over the Splinters, the All Stars around the Rebels, the Smelters superior to the Eightballs and the Has Beens over the Eagles.

Jack Lovegrove, Pinbusters, and Bill Ladd, Swingsters, shared individual honors. They tied in singles ... each with 222 scratch! Lovegrove's 250 handicap single was high. Ladd's 622 scratch series topped the night ... and Lovegrove's 649 handicap series was high.

The Swingsters were superior in singles ... 941 scratch, 1030 handicap. Their 2644 scratch series was high also ... and the Markers marked at 2934 in handicap series.

League standings follow:

Team	W	L
Tigers	14	2
Rebels	11	5
Swingsters	11	5
Screwballs	11	5
Splinters	10	6
All Stars	9	7
Pinbusters	8	8
Rippers	8	8
Cubs	8	8
Smelters	8	8
Playboys	6	10
Markers	6	10
Eagles	5	11
Eightballs	5	11
Has Beens	4	12
Bumpers	4	12



"Sure quiet around here since everyone took safety seriously!"

Fishing Winners For 1968 Rodeo Are Announced

The Recreation Department announces winners in the big 1968 annual fishing rodeo. This year saw the addition, by request, of the big muskie species, as many Y-12 anglers have become aces in catching the monsters.

Awards in the 10-species contest are as follows:

Largemouth Bass

1. B. O. Miller, Nine pounds, two ounces.
2. Spence Ferguson, eight pounds, seven and one-half ounces.
3. John Guttery, eight pounds, seven ounces.
4. E. L. Martin, eight pounds, five ounces. (Length of fish three-quarters of an inch shorter than Guttery's.)

Smallmouth Bass

1. James P. Grubb, six pounds, one ounce.
2. Jack M. Jones, five pounds, four ounces.
3. M. H. Huskey, five pounds, three ounces.
4. A. Clay Smith, five pounds.

Striped Bass

1. M. H. Huskey, three pounds, 12 ounces.
2. L. R. Edwards, three pounds ... 19 1/2 inches long.
3. Robert A. Jago, three pounds ... 17 inches long.
4. Wendell A. Less, two pounds, 12 ounces.

Bream — Bluegill

1. M. L. Sweet, 11 1/2 ounces.
2. R. P. George, eight ounces.
3. Jim O'Kain, four and one-half ounces.

Crappie

1. Candred Jeffers, one and three-quarter pounds.

Muskie

1. Mike Estep, 22 pounds (see last week's Bulletin!).
2. James D. Lawrence, 21 pounds, one ounce.
3. Lee P. Wickham, 19 pounds, eight ounces.
4. A. W. Maxey, 19 pounds, two ounces.

Sauger Pike

1. Fred W. Leon, three pounds, six ounces.
2. D. L. Morrow, 10 ounces.

Walleye Pike

1. Herbert Reynolds, six pounds.
2. R. A. Wilson, five pounds.
3. Eula R. Estes, four pounds, 13 ounces, 26 1/4 inches long.
4. E. W. Forbes, four pounds, 13 ounces, 26 inches long.

Rough Fish

1. Thomas B. Hendrix, Cat—22 pounds plus.
2. R. W. Brothers, Drum — 20 pounds.
3. H. N. Benninghoff, Drum—11 pounds, plus.
4. C. H. Arden, Cat—8 pounds.

Trout

1. Fred J. Russell, 6 pounds, 8 ounces.
2. C. G. Hubbard, 6 pounds, 4 ounces.
3. A. K. Van Hull, 5 pounds, 12 ounces.
4. George S. Ferrell, 3 pounds, 10 ounces.

Recreation states that winners may call 3-7109 tomorrow, Thursday, January 23 for details on when to pick up their awards.

Meanwhile, a new rodeo for 1969 has opened and entry forms are available from Recreation now.

BETTER DRUM HEADS

Polyester film has a long list of uses, but did you know it is being used on drum heads? Percussionists — both popular and symphonic — agree that these man-made 'skins' are more durable and provide an improved sound.



WALTER CRONKITE ALL SET FOR A 'WALK ON THE MOON.' Technicians at Langley NASA Base, Virginia, strap CBS News Correspondent Walter Cronkite, into a harness that simulates the lunar gravity expected on the moon for 'The 21st Century' episode, 'Tomorrow—Today,' set for Sunday, January 26, at 6 p.m., EST, in color on the CBS Television network. The program is aired locally by WBIR-TV, Channel 10. Cronkite is principal reporter for the award-winning series which continues to be sponsored in the public interest by Union Carbide Corporation as it returns to the air for the third successive year.

Daisy Hines Dies From Auto Injuries

The plant lost one of its happiest people Saturday, January 11, when Daisy Ward Hines died from injuries sustained in an auto accident the previous night.

Active in civic and political affairs, Mrs. Hines came to Y-12 August 15, 1945. She was vice president of the Business and Professional Women's Club, vice president of the Anderson County Democratic Women's Club, and was a member of the Eastern Star. She recently served as county chairman for the Heart Fund drive.



Daisy Hines

An analyst in the Plant Laboratory, Mrs. Hines was particularly known throughout Y-12 for her organizational ability when it came to dances or dinners. She engineered the last four or five Technical Division annual parties.

She is survived by her husband, William R. Hines, 123 South Seneca Street, Oak Ridge; a daughter, Mrs. Hope Uekan, Long Island, New York; two grandchildren, Erol and Eda Uekan; brothers, Beauchamp Brogan, Knoxville; Howard and Marcum Brogan, Middlesboro, Kentucky; Mel Brogan, Harlan, Kentucky; Asa Brogan, Harrogate; and Lt. Cliff Brogan, Orlando, Florida. Her sisters are Mrs. Doris Campbell, Cookeville; Mrs. Sylvia Robbins, Athens; Mrs. Verna Albin, Louisville, Kentucky; and Miss Marie Brogan, Boston, Massachusetts.

Funeral services were held Monday, January 13, at the Weatherford Mortuary with the Reverend W. C. Summar, pastor of Robertsville Baptist Church, officiating. Interment followed in the Anderson Memorial Gardens.

Sincere sympathy is extended to Mrs. Hines' survivors.

According to the Oak Ridger, "her death is cause for wide sorrow in the community."

'Tomorrow--Today', 21st Century Topic As Program Starts Third Year on CBS-TV

How simulation, the science and technology that imitates the environment of the future, is being used today to help man anticipate and seek solutions to the complex problems of tomorrow, will be reported in "The 21st Century" broadcast, "Tomorrow — Today," as the series returns to the air Sunday, January 26, at 6 p.m. EST in color on the CBS Television Network. (The program is televised locally by WBIR-TV, Channel 10.) This marks the initial broadcast of the series' third consecutive year.

CBS News Correspondent Walter Cronkite, principal reporter for the series which continues to be sponsored in the public interest by Union Carbide Corporation, will perform, in simulation, some of the activities astronauts might experience in their training for an actual lunar touchdown. In addition, Cronkite will "wage" a computerized war in outer space. He will also "fly" a supersonic transport aircraft at the speed of 1,700 mph.

In the first simulation, Cronkite will play a "war" in space on a computer at the Air Force Cambridge Research Laboratory, Massachusetts. Viewers will see two space ships which can be controlled by the players. The sun and stars will also be represented on the computer's visual display, and the sun's gravity-pull will act as a complicating factor in the simulation. Scientist John Mott-Smith of the Laboratory will join in the simulation to play against Cronkite.

At the Boeing Aircraft Company, Seattle, Washington, Cronkite will take over the controls of the simulated supersonic transport and make a landing at an airport. In effect, he will "fly" a plane that, as yet, has never been flown.

Going for a simulated "walk" on the moon, at Langley NASA Base, Virginia, Cronkite will don a harness used by astronauts to learn what they will experience in the reduced gravity of the moon. In a state of near weight-

lessness, Cronkite will perform several back flips and acrobatic jumps. An accomplished "lunar acrobat," Amos Spady, will demonstrate some other maneuvers astronauts may be able to do on the moon, where a 180-pound man will weigh only 30 pounds.

At Langley, viewers will also see: A simulated LM or Lunar Module, which behaves as if it were in lunar gravity, and is used by astronauts to get "seat-of-the-pants" flying experience for landing on the moon; and "Pogo," a one-man flying scooter being tested for possible use in short commuting hops on the moon, to and from the Lunar Module.

Other applications of simulation to be seen in the broadcast include: a VTOL simulator, which imitates a Vertical Take-Off and Landing Airplane that flies like a plane but takes off and lands vertically like a helicopter; and a test run of the huge Apollo Mission Lunar Landing Simulator, in Houston, Texas. Two pilots seated in the simulated capsule, monitored and controlled by engineers on the outside will be subjected to an unexpected "malfunction" and "crash" of the simulated craft.

"The 21st Century," an award-winning series and television's first continuing assignment to report what science and technology are developing for the future, is produced by CBS News. Executive producer is Burton Benjamin, and Isaac Kleinerman is producer. Fred Warshofsky is science editor. This episode was written by Tom Schachtman.

"Tomorrow—Today" Sunday at 6 p.m. WBIR-TV, Channel 10.

Flu Bug Postpones 'Philadelphia' Opening

Four actors and one director fell recently to the flu bug going around (and who didn't?) . . . to delay the opening of "Philadelphia, Here I Come." The sparkling Irish comedy will open this coming Friday, January 24, at 8:20 .

UNION CARBIDE CORPORATION
NUCLEAR DIVISION
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Permit No. 71



More Y-12ers cross important landmarks with Union Carbide Corporation as the new year picks up steam. Congratulations.

25 YEARS

Roy E. McGill, Buildings, Grounds and Maintenance Shops, January 22.

Frank Fuis Jr., Mechanical Design Engineering, January 24.

William L. Scott, Jr., Assembly Technical Staff, January 24.

Hartford E. Buckminster, Product Information Center, January 24.

Thomas J. Stephens, Material Control, January 24.

Claude R. Wall, Fire Department, January 26.

20 YEARS

William C. Caldwell, General Shop Inspection, January 26.

15 YEARS

J. C. Graves, Dimensional Inspection, January 22.

L. E. Abrams, General Machine Shop, January 25.

Robert F. Jones, 9766 Machine Shop, January 26.

Curtis C. Moneymaker, General Machine Shop, January 27.

William M. Boucher, Buildings, Grounds and Maintenance Shops, January 27.

William M. Turner, Gage Certification Laboratory, January 28.

10 YEARS

John D. Allen, Beta Four Forming, January 22.

Charles H. Flood, Buildings, Grounds and Maintenance Shops, January 22.

James L. Braden, H-2 and F-Area Shops, January 26.

Apologies to **Russell L. Coffey**, Dimensional Inspection, who celebrated 15 years with Union Carbide Corporation January 11. He was listed as Ray L. Coffey in last week's Bulletin. As if it were not confusing enough . . . both Ray and Russell are in Dimensional Inspection!

Sunflowers Keep C Alley Topspot

The Sunflowers climbed aboard the high rung in the C Bowling League last week, thanks to a big fat four-point win over the Instrument Engineers . . . the only sweep of the week.

The Rollmasters rolled three by the Rounders, the HiLifers hit the Jokers Five, the Badgers belted the Invalids, the Fireballs fell to the Parbusters and the Big Five sailed past the Royal Flush . . . all for three.

J. Sewell, Big Five, sparked a 234 single game. D. W. Sparks, Invalids, rolled a 254 handicap single. Ray Galford, Sunflowers, sailed in with a 602 scratch series, and Jack Cowen, Instrument Engineers, rolled a 655 handicap series.

The Sunflowers rolled 915 scratch singles . . . and their 1010 handicap singles tied with the Fireballs . . . but the 'Flowers re-

Father Of 14

Continued from Page 1

ently enrolled in this course and one of approximately 200 being trained in the Training and Technology school. Most of the previous graduates of this federally-supported school have found jobs that pay considerably higher than they were previously able to obtain.

The course Tipton is studying is supervised by Y-12 Plant industrial engineer, J. W. Parker. Parker said, "This course is oriented toward the maintenance crafts, but there really is no limit to the job opportunities in mechanical craft work once the basic manipulative skills are mastered. The course provides shop experience in operating drill presses, band saws, sanders, grinders, portable tools, repairing pumps and motors, pipefitting, blueprint reading and the basics of welding. The equipment used in the program is from federal surplus stock."

Parker said the men are allowed to proceed at their own pace, which means that some will finish the course in six or nine months, while others may require twelve months.

In addition to the shop training, the students attend classes in basic math, science and communications. These classes are tailored to the needs and interests of the specific course of study. The math class, for example, emphasizes the computing of area and volume measurements, while the science class teaches the theory of simple machines the men might be required to operate, such as leverage and pulley systems.

Instructors for the shop training are Union Carbide employees C. C. Jones, W. E. Humphreys, Jr., and A. J. Lewand. Among the craftsmen presently participating to demonstrate the various skills are W. H. Miller and H. V. Gillum.

The TAT school also offers courses in other vocational fields such as machining, electronics, welding, drafting, physical testing and laboratory technology.

The program is supported jointly by the AEC and the U.S. Department of Labor in cooperation with the U.S. Office of Education. It is administered by Oak Ridge Associated Universities and by Union Carbide Corporation, Nuclear Division which operates Y-12 for the AEC.

PEOPLE DO STOP

A total of 18,000,000 Americans have stopped smoking cigarettes, according to U. S. Public Health Service estimates. Their risk of heart attack will soon drop to the level of nonsmokers, the American Heart Association states.

turned to the boards with high series . . . 2644 scratch, 2929 handicap.

League standings follow:

Team	W	L
Sunflowers	13	3
Rollmasters	12	4
Rounders	11	5
HiLifers	10½	5½
Badgers	10	6
Fireballs	9	7
Jokers Five	6	6
Big Five	5	7
Parbusters	6	10
Invalids	3½	12½
Royal Flush	3	13
Instrument Engineers	3	13